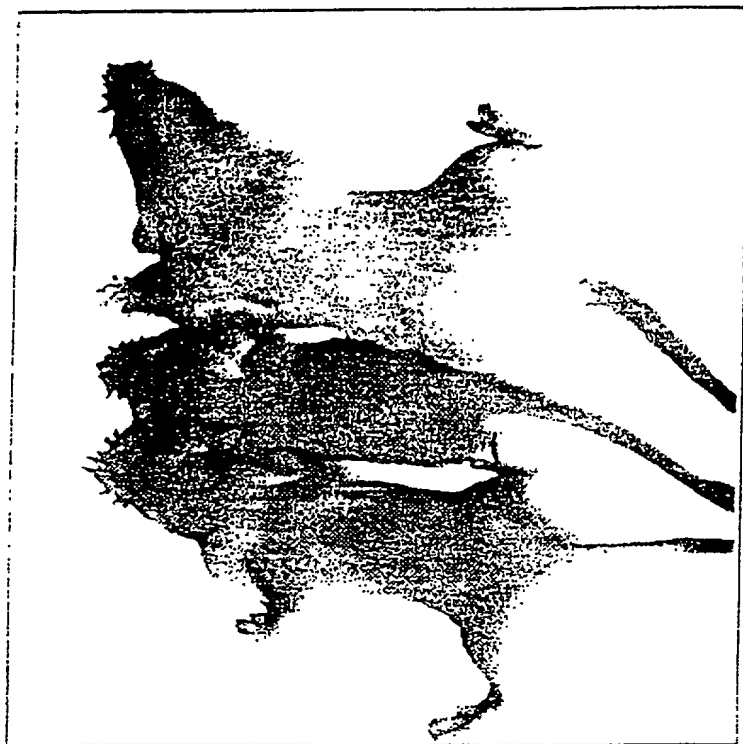


↑
CTRL

↑
HH-Ab TREATED

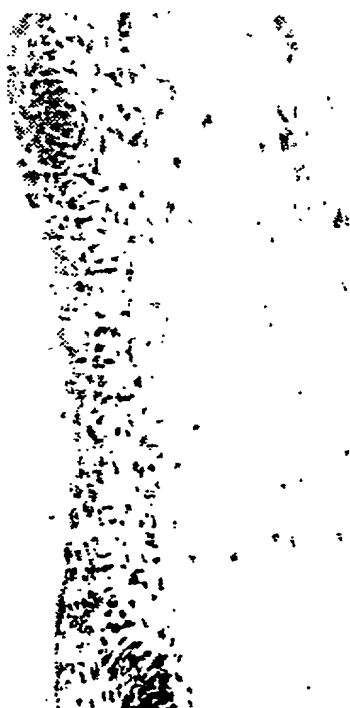
↑
CTRL

FIG. 1A



5 WEEKS OLD MICE

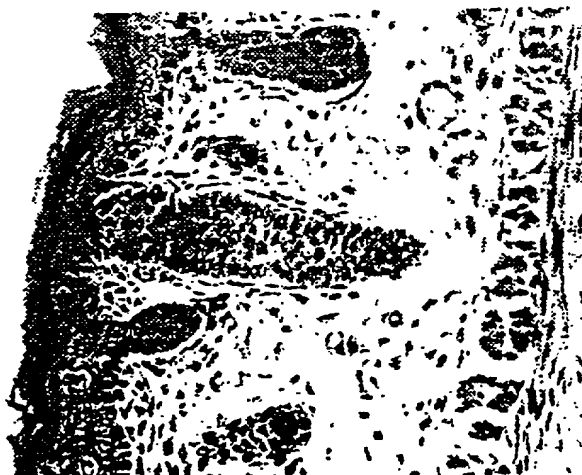
FIG. 1B



CTRL Ab
FIG. 1C



ANTI-HEDGEHOG Ab
FIG. 1D



CTRL E18.5

FIG. 1E



HH-Ab TREATED E18.5

FIG. 1F



FIG. 1G



FIG. 1H



HH-Ab TREATED AT d17

FIG. 1J



CTRL d17

FIG. 1I

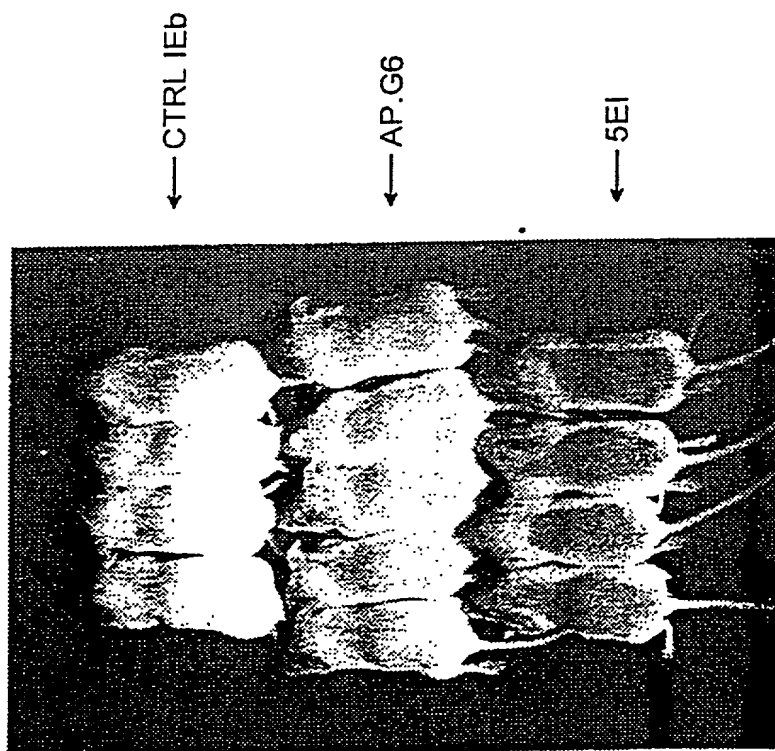


FIG. 2



HH-Ab TREATMENT AFTER BIRTH
AND CONTINUED TO d10

FIG. 3B



CTRL AT d2

FIG. 3A

CTRL MICE 8/11
↓

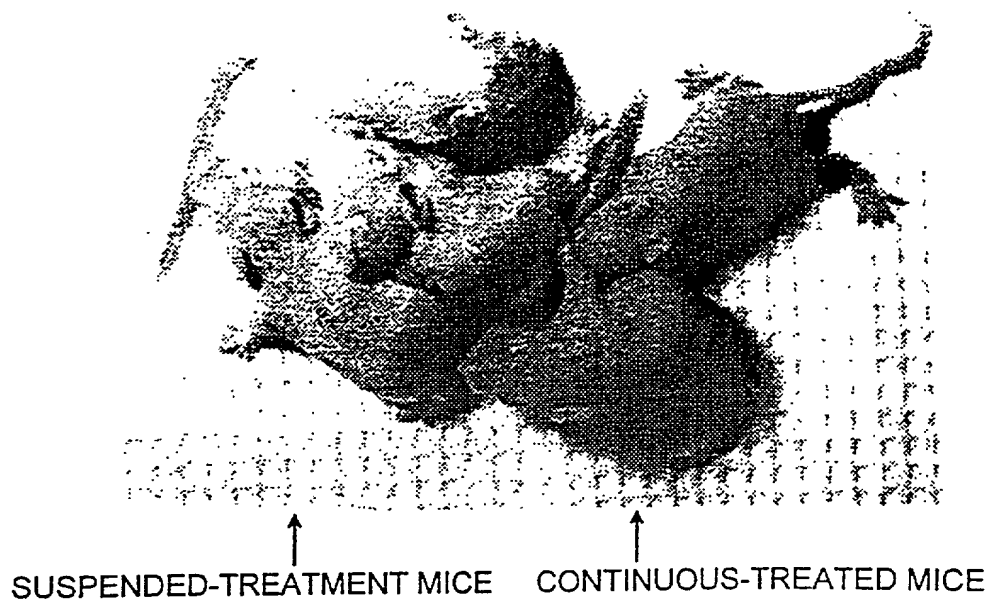


FIG. 4A

5 WEEKS OLD



FIG. 4B

CONSENSUS SEQUENCE OF N-terminal fragments

SEQ ID NO. 4

CGPGR_{x1} x2 x3 x4 x5
RR_{x6} x7 x8 K_{x9}L_{x10}P L_{x11}YKQF_{x12}P_{x13}V X₁₄EKTLGASGR

x15EGK _{x16} x17R _{x18} SE	RFK _{x19} L _{x20} PNYN	PDIIFKDEEN	x21GADRLMT _{x22} R	80
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CK _{x23}	x24	x25	NSLAI	x26	VMN _{x27}	WPGVK	LRVTEGWDED	GHH _{x28}	x29	x30	SLHY	120
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EGRAVDITTS
DRDR_{x31}KYG_{x32}L
ARLAVEAGFD
WVYYES_{x33} x34H_{x25}
160

H_{X36}SVK_{X37} X38 X39S_{X40} AA_{X41} X42GG 176

FIG. 5A

Where:

X1 is either V or G;
X2 is either V, F or P;
X3 is either G or V;
X4 is either S or G;
X5 is either R or K;
X6 is either P, H or Y;
X7 is either P or A;
X8 is either R or K;
X9 is any amino acid;
X10 is either V or T;
X11 is either A or L;
X12 is either S, I or V;
X13 is either N or G;
X14 is either P or A;
X15 is either Y or A;
X16 is either I or V;
X17 is either A or S;
X18 is either S, N or G;
X19 is either E or D;
X20 is either T or V;

FIG. 5B

X21 is either T or S;
 X22 is either Q or E;
 X23 is either D or E;
 X24 is either R or K;
 X25 is either L or V;
 X26 is either S or A;
 X27 is either Q or M;
 X28 is either S or A;
 X29 is either E or Q;
 X30 is either E or D;
 X31 is either N or S;
 X32 is either N or M;
 X33 is either K or R;
 X34 is either A or N;
 X35 is either V or I;
 X36 is either C or V;
 X37 is either S or A;
 X38 is either E or D;
 X39 is either H or N;
 X40 is either A, V or L;
 X41 is either K or R; and
 X42 is either T, S or A.

FIG. 5C